



Min.

Max.

Storage Tank Components

4
kW12
kW3 yr
GUARANTEE2 yr
GUARANTEE

CE

Powerstream Ascari

Central Heating and Hot Water Flow Boiler

This electric boiler is 99% efficient and provides a versatile and safe way of heating water wherever there's mains electricity. Suitable for unvented wet central heating and domestic hot water systems, the Powerstream Ascari electric boiler can be used as a direct replacement for Gas, Oil, Propane, Solid Fuel or Electric Storage heating*. The Powerstream Ascari boiler also provides maximum flexibility as it does not require costly servicing, safety checks or a flue.

Application Central heating and hot water.

Key Features

- Integral circulation pump and expansion vessel
- Auto-adaptability - minimising energy input, smoothes temp. variation of the home and on/off cycling of the boiler
- Suitable for sealed and open vented systems, with radiators or underfloor heating
- Choice from 10, 8, 6 or 4kW on installation
- Compact design - fits into most spaces (including kitchen cupboards)
- Low maintenance - no requirement for annual service or safety check (5 year check)
- Near silent operation
- Selectable heating system water temperature, 21°C-80°C
- allows low energy setting of heating
- Cast iron engine for thermal stability
- Ideal for well insulated properties of up to 80m²
- 5 litre water storage, for rapid response.

Safety Features Min/max control adjusts the water temperature output from the boiler

- No flue and no fuel tanks give a safe and flexible installation.

Rating 4kW, 6kW, 8kW and 12kW options at installation (230V).

Element Stainless steel.

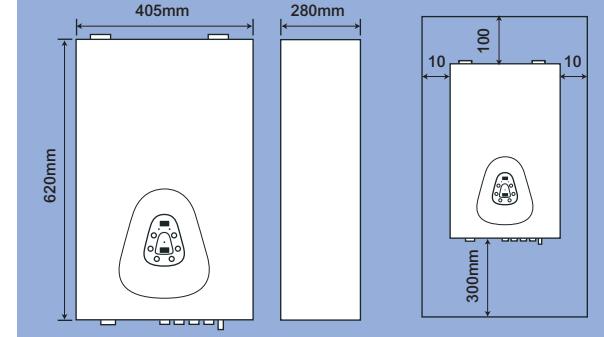
Outer Casing White steel casing.

Pressure Operating pressure - 0.5bar - 3bar.

Approvals CE.

Guarantee 3 year guarantee on storage tank and 2 years on components (UK).

Dimensions and Application



Technical Specification

Maximum power 4-12kW | Includes 8 litre expansion vessel, 3bar pressure relief valve and 3-speed pump for quick easy install | 7 segment digital displays of temperature and pressure | Graduated power On/Off reduces instantaneous loads | Frost protection 5°C minimum system temperature | 5 litre water storage | Pump protection, prevents pump sticking | Stainless steel elements | Operating pressure 0.5bar - 3bar | Top or bottom cable entry.

Electrical

The Powerstream Ascari should be permanently connected to the electrical supply through a double linked switch with minimum breaking capacity for the loading. All wiring should be installed to conform to the current edition of the IEE Wiring Regulations.

Product Range

Product Reference

Short Code

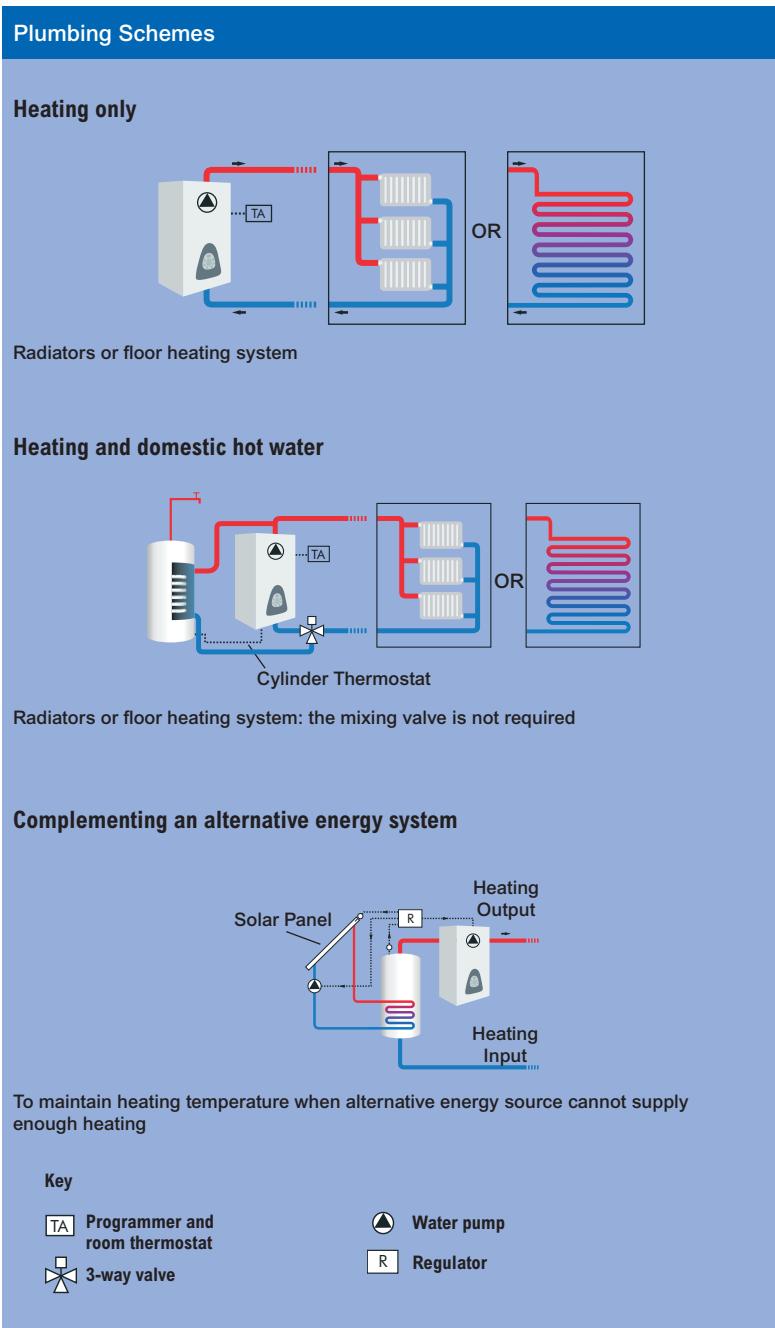
Cat. No

Powerstream Ascari

PSA12

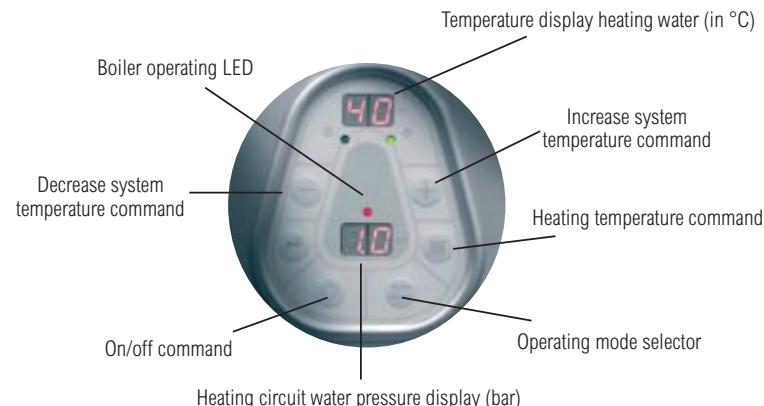
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*Building Regulations apply.



Simple to use controls with digital display

- Intelligent operation for comfort and reduced energy use
- System water temperatures can be selected at install or the Ascoli can auto adapt to the requirements of the property, adjusting the water temperature to the optimum setting to reduce energy consumption and smooth the property temperature



Controls

The Powerstream Ascoli boiler has been designed to provide the highest temperature stability and energy consumption possible from an electric boiler. Its 5 litre storage and high thermal mass reduce system cooling, while its electronic temperature and auto-adaptability function keep the room at a stable temperature using the least amount of electrical energy.

The optional outside temperature sensor allows the boiler to quickly adapt to the external temperatures, increasing heat output on cooler days and reducing energy on warmer days, keeping temperature and energy completely under control.

Running Costs

The Powerstream Ascoli boiler is fitted with an auto-adaptability function that operates the central heating system according to the heat characteristics of the property, minimising energy consumption and running costs. The Ascoli is designed for use with extended hours off-peak tariffs. Please ask your energy supplier for details of optimum tariffs.

Filling Loop

The Powerstream Ascoli is not fitted with a filling loop. Any filling loop being fitted should comply with the water supply (water fittings) regulations 1999 Section G24.1 and G24.2. A filling loop should be fitted at some point to allow the CH system to be filled.

Parallel Operation

For larger properties, multiple boilers may be installed in parallel.

Hot Water Storage

Ask for the Redring Aqualoy LWSS 2304 Duplex Stainless Steel water storage heaters that provide effective, fast and safe hot water for baths, showers and other domestic appliances around any property. For use with direct and indirect heating applications the Aqualoy LWSS cylinders are a high quality vessel employing the best in tig welding technology, the LWSS range also features high flow rates and energy efficient insulation.

Powerstream Professional

Central Heating, Underfloor and Hot Water Flow Boilers

This electric flow boiler provides a versatile and safe way of heating water, where there's mains electricity. Suitable for vented and unvented wet central heating, underfloor heating and domestic hot water, Powerstream Professional can be used instead of Gas, Oil, Propane, Solid Fuel or Electric Storage heating*. 99% efficient, this boiler is highly flexible as no servicing, safety checks or flue are needed.

Application Central heating, underfloor heating and hot water.

Key Features 7 power options (2kW - 12kW) | Compact design fits in most spaces (including kitchen cupboards) | Solid state technology for long life | No moving parts, maximum reliability | Minimal service and maintenance costs | Suitable for sealed and open vented systems with radiators or underfloor heating | Uses standard radiators, programmer, pump, room stat and thermostatic radiator valves | Thermostatic range 30°C to 55°C (underfloor) or 55°C to 80°C (central heating).

Safety Features Min/max control adjusts the temperature | No flue and no fuel tanks give a safe and flexible installation.

Rating 2kW, 4kW, 6kW, 7.5kW, 9kW, 10.5kW & 12kW (240V).

Element Copper sheathed.

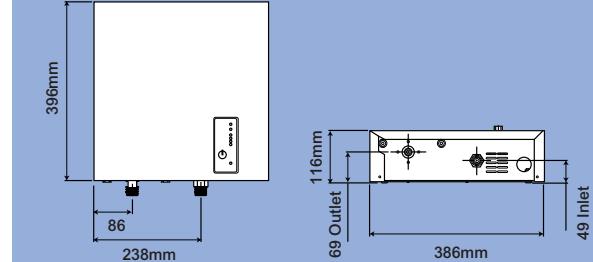
Outer Casing White stove-enamelled corrosion-resistant steel.

Pressure Operating pressure 0.5bar - 3bar.

Approvals BEAB Approved | CE.

Guarantee 2 year product guarantee (UK).

Dimensions



Technical Specification

Thermostatic temperature range 30°C to 55°C (underfloor) or 55°C to 80°C (central heating) | UK manufactured in a BS EN ISO 9001:2000 registered factory.

Boiler variant	Temp. range	BTU output	kW loading @ 230-240V	Cable size guide	Fuse rating guide
RFB2	30 - 80	6830	1.8 - 2	1.5mm ²	13 Amps
RFB4	30 - 80	13660	3.7 - 4	2.5 / 4mm ²	20 Amps
RFB6	30 - 80	20490	5.5 - 6	4mm ²	30 Amps
RFB75	30 - 80	25613	6.9 - 7.5	4 / 6mm ²	35 - 40 A
RFB9	30 - 80	30735	8.3 - 9	6 / 10mm ²	40 - 45 A
RFB105	30 - 80	35860	9.6 - 10.5	6 / 10mm ²	45 Amps
RFB12	30 - 80	40980	11 - 12	10mm ²	50 Amps

Product Range

Product Reference	Short Code	Cat. No
Powerstream Pro 2kW	RFB2	45670202
Powerstream Pro 4kW	RFB4	45670204
Powerstream Pro 6kW	RFB6	45670206
Powerstream Pro 7.5kW	RFB75	45670207
Powerstream Pro 9kW	RFB9	45670209
Powerstream Pro 10.5kW	RFB105	45670210
Powerstream Pro 12kW	RFB12	45670212

*Building Regulations apply.



Min.

Max.

2
kW

12
kW

2 yr
GUARANTEE

BEAB
Approved

CE



Selection Guide (Based on NHBC guidelines¹)

Property Type	Max. floor area (m ² /ft ²)	Space Heating only ²	Older properties
1 room bedsit	20 / 200	RFB2	RFB4
2 room flat	40 / 400	RFB4	RFB6
1 bed house	80 / 800	RFB6	RFB105
2 bed house	100 / 1000	RFB6	RFB12
3 bed house	130 / 1400	RFB9	n/a
4 bed house	150 / 1600	RFB9	n/a
5 bed house	190 / 2000	RFB12	n/a

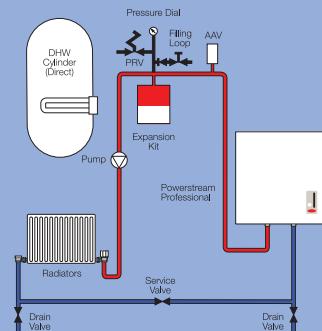
Property Type	Space Heating & Indirect Hot Water ³		
	Tank (l)	Wash	New Build
1 room bedsit	50	1 shower	RFB4
2 room flat	115	1 bath	RFB75
1 bed house	115	1 bath	RFB9
2 bed house	115	1 bath	RFB105
3 bed house	115	1 bath	RFB12
4 bed house	140	1 bath	RFB12
5 bed house	200	2 baths	n/a
			Older properties
			RFB6

NB: ¹ In broad terms, stipulates minimum room temperatures and recovery times for typical hot water draw-offs ² Based on average space heating requirement of 45 W/m²(New Build), 90W/m²(Older properties) ³ Includes requirement for a complete tank full recovery time of less than 3 hours

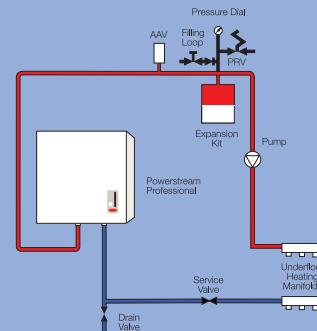
Boiler sizing: Please consult your installer/heating engineer/designer as to the correct size of the Powerstream Professional boiler. Size of the property, the insulation properties of the building itself, the local and seasonal weather conditions and exactly what the boiler will be required to heat, eg: heating and/or hot water will need to be considered. To discuss individual delivery and design requirements or for help with making your selection please call: **Technical - 08709 000430** or email: **Design - aedesign@applied-energy.com**

Technical

For Heating only, with Direct domestic hot water cylinder

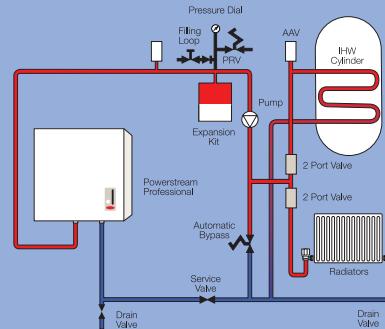


For Underfloor Heating system

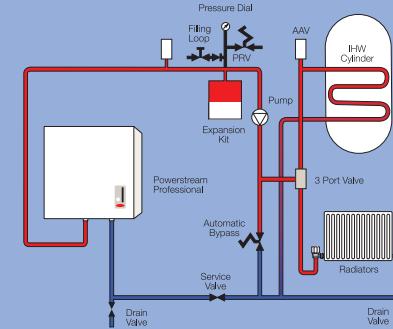


For Heating and domestic hot water & Indirect hot water cylinder

S Plan System



Y Plan System



* Expansion kit not required on a vented system

Hot Water Storage

Ask for the Redring Aqualoy LWSS 2304 Duplex Stainless Steel water storage heaters that provide effective, fast and safe hot water for baths, showers and other domestic appliances around any property. For use with direct and indirect heating applications the Aqualoy LWSS cylinders are a high quality vessel employing the best in tig welding technology, the LWSS range also features high flow rates and energy efficient insulation.

NB 1: The Redring Powerstream Professional flow boiler is ideal for providing water to a domestic /light commercial wet central heating system. Where it is intended for use to provide hot water as well, it may be that an alternative direct source of heat is required, eg: immersion heater. This is to ensure compliance with NHBC guidelines and to provide hot water at all times.

NB 2: The Redring Powerstream Professional requires fitment of a circulating pump for underfloor and central heating applications. In the case of unvented applications an expansion kit will be required.

Aqualoy LWSS Range

90-300 litre Stainless Steel Unvented Water Storage Heaters

Water heating cylinders that provide effective and fast, mains fed, hot water for use with direct and indirect heating applications. Employing the best in tig welding technology, the range features high flow rates and energy efficient insulation.



Min. 3 kW	Max. 6 kW	Cylinder 25 yr GUARANTEE	Parts 2 yr GUARANTEE	WRAS APPROVED	CE
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Application Hot water storage.

Key Features Long life, incoloy, low noise immersion heaters | High flow rate, up to 55l/min - ideal to supply power showers without the need for a separate pump | Includes expansion vessel.

Safety Features Pressure tested to 15bar | Expansion relief valve set at 5bar | Temperature and relief valve set at 7bar at 90°C.

Capacities 90, 125, 150, 170, 200, 250 and 300 litres.

Rating Immersion heaters 3kW @ 240V.

Outer Casing Steel, wipe clean, white plastic coated finish and corrosion resistant base and lid.

Insulation Energy efficient rigid polyurethane foam insulation.

Water Container Duplex welded stainless shell with pressured domes.

Heat Unit Long-life Incoloy sheathed element.

Primary Coil Coil flow and return - 22mm (Indirect only).

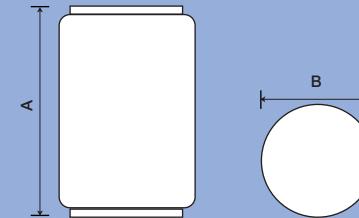
Anode No sacrificial anode required.

Pressure Operating pressure 1.5bar - 3.5bar.

Approvals WRAS Approved Product | BEAB Approved | CE.

Guarantee 25 year cylinder and 2 year parts guarantee (UK).

Dimensions



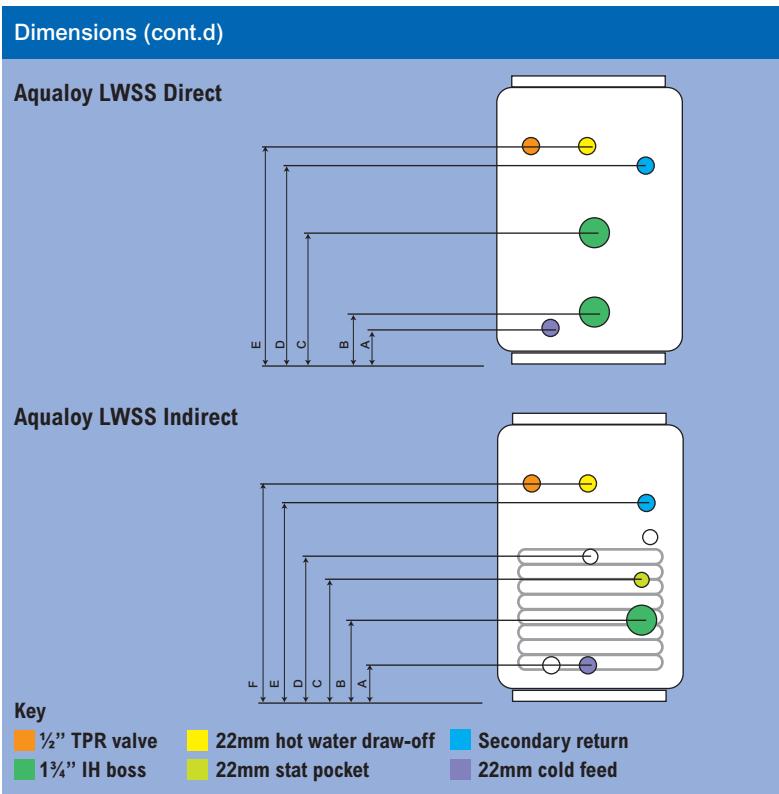
Dimensions (mm)*	Min	Max
A	750	1470
B	510	545

Technical Specification

Mains water supply essential | Min 1.5bar and a flow rate of 25 litres per minute | Operating pressure - 3bar | Pressure tested to 15bar | Expansion relief valve set at 5bar | Temperature and relief valve set at 7bar at 90°C | Recommended cable size for all cylinders - 1.5mm² | Electrical connections are located on the front of the unit | Cold water inlet and hot water draw-off - 22mm | Coil flow and return - 22mm | Temperature and pressure relief - 1/2" | Inlet group - 22mm | Tundish inlet - 15mm, outlet - 22mm (both compression) | 200 litre capacities and above are supplied with a secondary return connection | All ancillary components are supplied, allowing for easy, quick and hassle-free installation.

Product Range

Product Reference	Cat. No	Capacity (l)	kW loading
LWSS90D	47788101	90	2 x 3
LWSS125D	47788201	125	2 x 3
LWSS150D	47788301	150	2 x 3
LWSS170D	47788401	170	2 x 3
LWSS200D	47788501	200	2 x 3
LWSS250D	47788601	250	2 x 3
LWSS300D	47788701	300	2 x 3
LWSS150i	47788801	150	1 x 3
LWSS200i	47788901	200	1 x 3

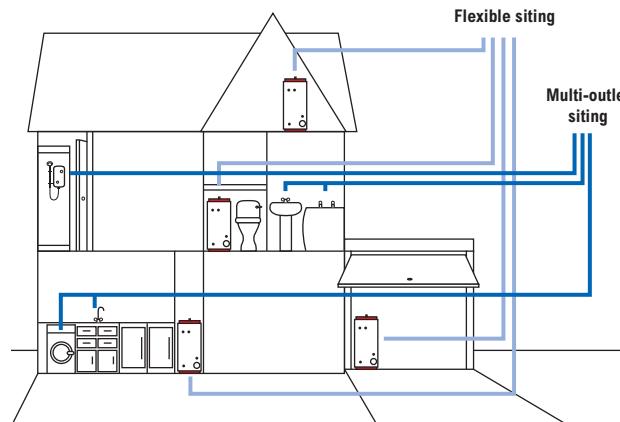


Cylinder variant*	Dimensions (mm)						
	Height	Diameter	A	B	C	D	E
LWSS90D	750	510	150	180	400	-	555
LWSS125D	935	510	150	180	400	-	760
LWSS150D	1060	510	150	180	400	-	885
LWSS170D	1200	510	150	180	400	-	1030
LWSS200D	1120	545	150	180	400	820	995
LWSS250D	1330	545	150	180	400	980	1155
LWSS300D	1470	545	150	180	400	1100	1305
LWSS150i	1060	510	150	180	380	480	-
LWSS200i	1120	545	150	180	330	480	820
							995

Cylinder variant*	Capacity (litres)	kW loading @ 240V	Expansion vessel capacity	size (h x d)
LWSS90D	90	2 x 3	8 litres	300 x 200mm
LWSS125D	125	2 x 3	12 litres	255 x 265mm
LWSS150D	150	2 x 3	12 litres	255 x 265mm
LWSS170D	170	2 x 3	18 litres	380 x 265mm
LWSS200D	200	2 x 3	18 litres	380 x 265mm
LWSS250D	250	2 x 3	24 litres	430 x 285mm
LWSS300D	300	2 x 3	24 litres	430 x 285mm
LWSS150i	150	1 x 3	12 litres	255 x 265mm
LWSS200i	200	1 x 3	18 litres	380 x 265mm

*D - Direct, I - Indirect

Domestic Selection Guide



Bedrooms	Hot water demand	Direct	Indirect
2 beds	1 shower	125	n/a
	1 bath, 1 shower	155	n/a
3 beds	1 bath, 1 shower	170	150i
4 beds	1 bath, 1 shower	200	n/a
	2 baths, 1 shower	250	200i
	2 baths, 1 shower	300	n/a
6 beds	2 baths, 2 showers	300	n/a
	3 baths	300	n/a

Siting Options

The structure supporting the heater must be capable of holding the weight of a cylinder when full with water.

Aqualoy LWSS Direct:

Duplex welded Stainless shell with pressurised domes | For use with one or two electric immersion heaters (both included with the unit) for direct heating of the stored water | Can be used with peak rate and / or off peak tariff electricity supplies.

Aqualoy LWSS Indirect:

Duplex welded Stainless shell with pressurised domes | For use in systems incorporating an indirect heater such as a gas fired boiler or electric flow boiler | Unit also includes one electric immersion heater for direct heating of the stored water.

Re-heat Performance

Requirement	Direct							Indirect	
	90	125	150	170	200	250	300	150	200
Time to re-heat after 70% draw-off	27	37	45	51	63	75	136	26	34
Time to re-heat from cold to 65°C	52	72	86	98	108	144	202	37	33
Weight when full (kg)	125	165	195	220	250	310	360	195	250
24hr heat loss (kWh)	1.1	1.6	1.9	2.1	2.3	2.5	3.1	1.9	2.3



Cylinder

Parts

3
kW

10 yr
GUARANTEE

2 yr
GUARANTEE

CE

Aqualoy MWSS

30-75 litre Stainless Steel Unvented Water Storage Heaters

Water heating cylinders that provide effective and fast, mains fed hot water. These medium capacity, wall mounted, stainless steel storage vessels are suited to medium usage situations, such as commercial sinks or even as prime hot water supply storage.

Application Hot water storage.

Key Features Premium insulation minimises heat loss | Medium capacity for higher water usage | Installation kit | Expansion vessel | Thermostatic control provides water temperature 15°C-68°C | Wall mounted | Stainless steel cylinder - 10 year warranty | No anode to service | Direct connection to cold mains water supply | High water flow rates | Incoloy elements.

Safety Features Expansion relief pressure valve set at 6bar | Temperature and pressure relief valve settings: Lift pressure 7bar | Lift temperature - 90°C | Thermal cut-out manual reset.

Capacities 30, 50 and 75 litre.

Rating 3kW @ 230V.

Outer Casing Steel, wipe clean, white plastic coated finish and corrosion resistant base and lid.

Insulation Injected foam - depth 30mm.

Water Container 316L stainless steel.

Heat Unit Long-life Incoloy sheathed elements.

Thermostat Thermostatic temperature control - 15°C-68°C.

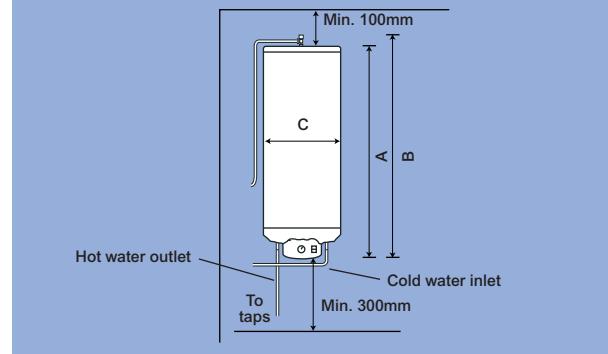
Anode No anode to service.

Pressure Operating pressure - 3bar.

Approvals Kiwa Approved Product | CE.

Guarantee 10 year cylinder and 2 year parts guarantee (UK).

Dimensions



Technical Specification Heat up time 15°C to 65°C (minutes) - 30L/36, 50L/55, 75L/85 | Weight when full (kg) - 30L/47, 50L/71, 75L/100 | Electrical supply 230V 50Hz direct connection to 13A fused isolation switch with 3mm min gap | Expansion vessel 5 litres | 15mm to 22mm Tundish.

Product variant	Dimensions (mm)	B Total Height	C Width
MWSS30	586	665	400
MWSS50	789	860	400
MWSS75	1093	1175	400

Product Range

Product Reference	Short Code	Cat. No
Aqualoy MWSS 30 litre	MWSS30	47781760
Aqualoy MWSS 50 litre	MWSS50	47781761
Aqualoy MWSS 75 litre	MWSS75	47781762



Cylinder

Parts

3
kW10 yr
GUARANTEE2 yr
GUARANTEE

Aqualoy SWSS TP

7-15 litre Stainless Steel Unvented Water Storage Heaters

Water heating cylinders with temperature and pressure relief valves that provide thermostatically controlled, mains fed, hot water up to 68°C. These smaller capacity cylinders are ideal for mounting under sinks or near to the point of use.

Application Hot water storage.

Key Features Factory fitted temperature and pressure relief valve | Premium insulation minimises heat loss | Thermostatic control provides water temperature to 15°C-68°C | Wall mounted | Stainless steel cylinder - 10 year warranty | No anode to service | Direct connection to cold mains | High water flow rates | Ideal for low volume frequent or irregular use applications | Incoloy elements.

Safety Features Temperature and pressure relief valve settings: Lift pressure 7bar | Lift temperature - 90°C | Thermal cut-out - 85°C manual reset.

Capacities 7, 10 and 15 litre.

Rating 3kW at 230V.

Outer Casing Steel, wipe clean, white plastic coated finish and corrosion resistant base and lid.

Insulation Injected foam - depth 30mm.

Water Container 316L stainless steel cylinder.

Heat Unit Incoloy elements.

Thermostat Thermostatic temperature control - 15°C-68°C.

Anode No anode to replace.

Pressure Maximum water supply pressure 16bar.

Approvals Kiwa Approved Product | CE.

Guarantee 10 year cylinder and 2 year parts guarantee (UK).

Dimensions

	A	B	C	D	Z
Dimensions (mm)	SWSS	SWSS	SWSS		
TP7	291	291	291		
TP10	338	394	484		
TP15	364	420	510		
A	291	291	291		
B	338	394	484		
C	364	420	510		
D	286	286	286		
Z	432	488	578		

Technical Specification

Heat up time 15°C to 65°C (minutes) - 7L/9, 10L/12 and 15L/18 | Weight when full (kg) - 7L/13.5, 10L/17.2 and 15L/23.3 | Cold feed / hot draw-off connections - 15mm | Minimum recommended mains pressure (performance reduces at lower pressure) 1.5bar | Maximum working pressure 6bar | Maximum water supply pressure 16bar | Expansion relief valve set pressure 6bar | Temperature & pressure relief valve settings: Lift pressure 7bar, Lift temperature 90°C | Electrical supply - 230V 50Hz direct connection to 13A fused isolation switch with 3mm min gap | Recommendations are based on BS6700 - Actual water usage varies dramatically per application, the figures given are a guide only. Where water saving devices are used the number of water outlets can be increased.

Installation Kits

See installation kit guide to determine what installation kit is required with your SWSS TP heater. The installation will not comply with the Water Regulations if the correct kits are not fitted.

Product Range

Product Reference	Short Code	Cat. No
Aqualoy SWSS TP 7 litre	SWSSTP7	47781960
Aqualoy SWSS TP 10 litre	SWSSTP10	47782060
Aqualoy SWSS TP 15 litre	SWSSTP15	47782160
SWSS TP Expansion Kit	SWEVK	47783160
SWSS TP Pressure Reducing Kit	SWPRK	47783161



Cylinder

Parts

3
kW10 yr
GUARANTEE2 yr
GUARANTEE

Aqualoy SWSS

7-15 litre Stainless Steel Unvented Water Storage Heaters

Water heating cylinders that provide thermostatically controlled, mains pressure, hot water up to 68°C. The Aqualoy SWSS cylinders' smaller size allows them to be easily mounted under sinks or any convenient place near to the point of use.

Application Hot water storage.

Key Features High levels of insulation minimise heat loss | Thermostatic temperature control provides water temperature to 15°C-68°C | Wall mounted | Stainless steel cylinder with 10 year warranty | No anode to service | Direct connection to cold mains water supply | High water flow rates | Ideal for low volume frequent or irregular use applications | Incoloy elements.

Safety Features Temperature and pressure relief valve settings: Lift pressure 7bar | Lift temperature - 90°C | Thermal cut-out - 85°C manual reset.

Capacities 7, 10 and 15 litre.

Rating 3kW at 230V.

Outer Casing Steel, wipe clean, white plastic coated finish and corrosion resistant base and lid.

Insulation Injected foam - depth 30mm.

Water Container 316L stainless steel cylinder.

Heat Unit Incoloy elements.

Thermostat Thermostatic temperature control - 15°C-68°C.

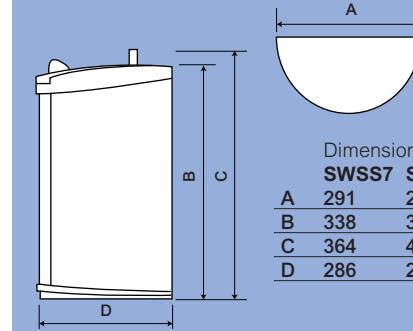
Anode No anode to replace.

Pressure Maximum water supply pressure 16bar.

Approvals Kiwa Approved Product | CE.

Guarantee 10 year cylinder and 2 year parts guarantee (UK).

Dimensions



	SWSS7	SWSS10	SWSS15
A	291	291	291
B	338	394	484
C	364	420	510
D	286	286	286

Technical Specification

Heat up time 15°C to 65°C (minutes) - 7L/9, 10L/12 and 15L/18 | Weight when full (kg)- 7L/13.5, 10L/17.2 and 15L/23.3 | Cold feed / hot draw-off connections - 15mm | Minimum recommended mains pressure (performance reduces at lower pressure) 1.5bar | Maximum working pressure 6bar | Maximum water supply pressure 16bar | Expansion relief valve set pressure 6bar | Electrical supply - 230V 50Hz direct connection to 13A fused isolation switch with 3mm min gap | Recommendations are based on BS6700 - Actual water usage varies dramatically per application, the figures given are a guide only. Where water saving devices are used the number of water outlets can be increased.

Installation Kits

See installation kit guide to determine what installation kit is required with your SWSS heater. The installation will not comply with the Water Regulations if the correct kits are not fitted.

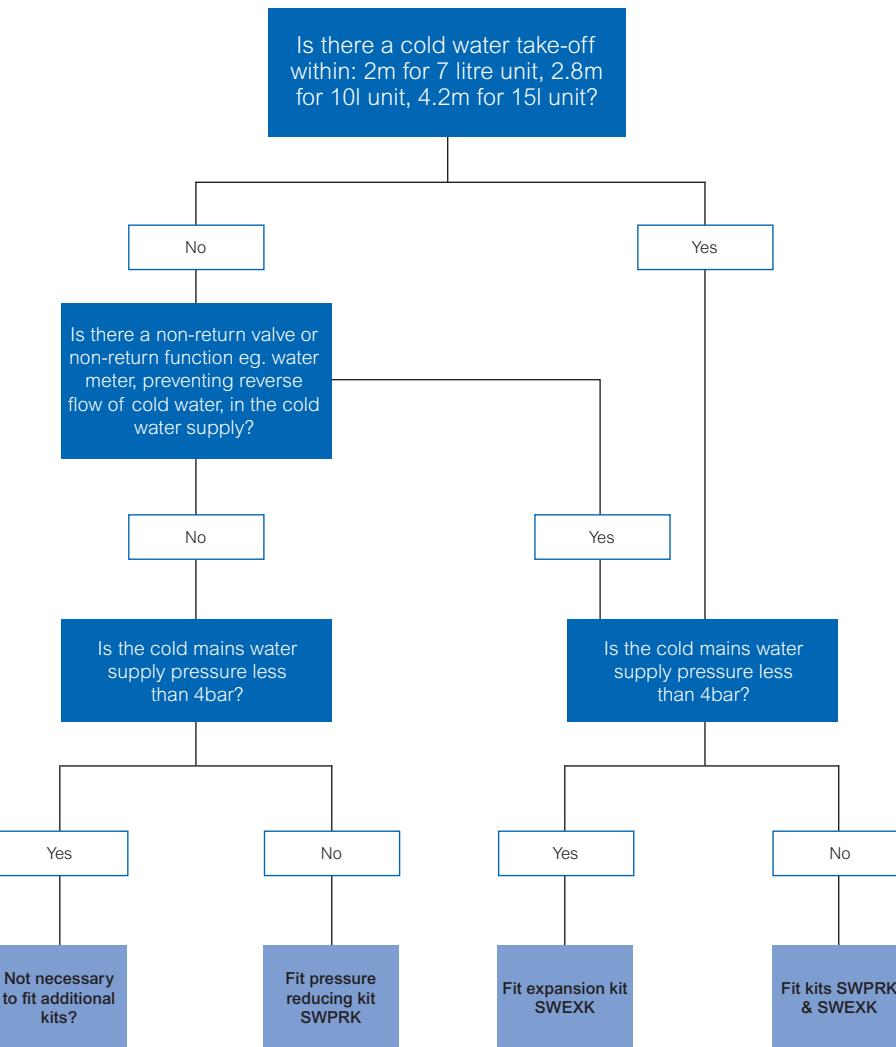
Product Range

Product Reference	Short Code	Cat. No
Aqualoy SWSS 7 litre	SWSS7	47784562
Aqualoy SWSS 10 litre	SWSS10	47784561
Aqualoy SWSS 15 litre	SWSS15	47784560
SWSS Expansion Kit	SWEXK	47783160
SWSS Pressure Reducing Kit	SWPRK	47783161

Aqualoy SWSS & SWSS TP

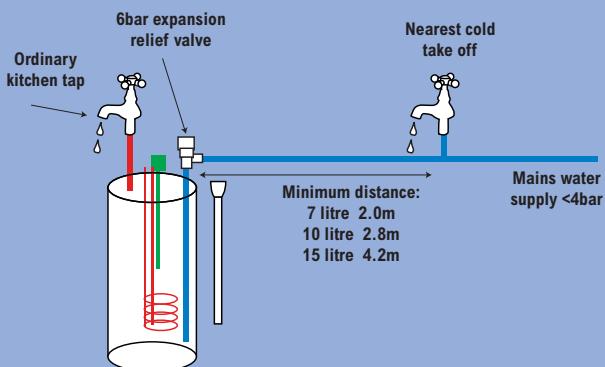
Installation Kit Guide

Installation kits should be fitted to all SWSS/SWSSTP units of 15 litres or less and in accordance with the details below. The installation will not comply with the Water Regulations if the correct kits are not fitted.

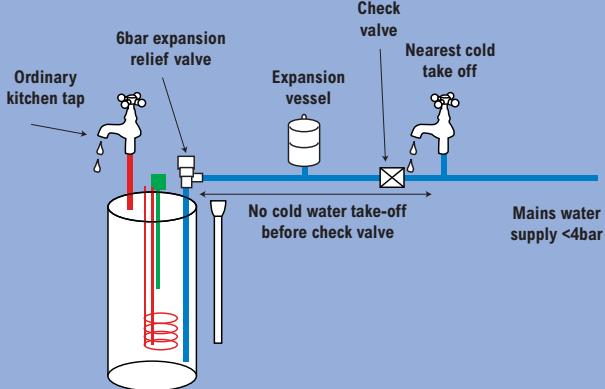


Technical

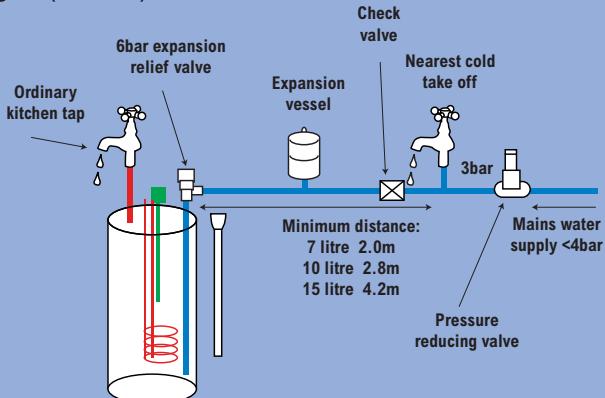
Expansion back to the mains



Expansion Kit (SWEVK)



Pressure Reducing Kit (SWPRK)





MW

10 - 15L Unvented Water Storage Heaters

The MW range has been designed to provide stored hot water from a mains pressurised water supply. MW TP comes complete with a factory fitted temperature and pressure relief device.

Application Hot water storage.

Key Features Hot water to up to 4 outlets | Balanced supply of hot and cold water | Minimal heat loss and energy savings - short pipe runs and superior insulation | Water outlet via existing tap or mixer | Adjustable thermostat to 70°C | Compact for undersink mounting | Remote siting possible.

Safety Features Over temperature safety cut-out | Temperature pressure relief valve | Neon light indicates when heater is working.

Capacities 10 and 15 litre.

Rating 3kW at 230V.

Outer Casing White thermoplastic cover.

Insulation Foamed polyurethane insulation.

Accessories Separate accessories available.

Water Container Vitreous enamelled steel water container.

Heat Unit Long-life Incoloy elements.

Thermostat Adjustable thermostat to 70°C.

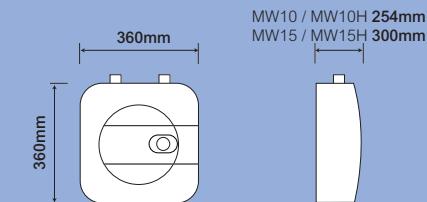
Anode Replaceable magnesium sacrificial anode.

Pressure 1 - 12bar (above 6bar use cold water controls pack).

Approvals WRAS Approved Product | BEAB Approved | CE.

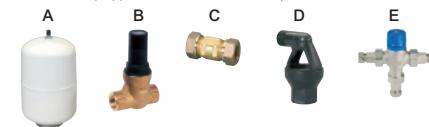
Guarantee 1 year product guarantee (UK).

Dimensions



Accessories

Optional Cold Water Pack: A: Expansion vessel (Dia 120mm x H 235mm), B: Pressure reducing valve, C: Check valve | **Additional Accessories:** D: Tundish (supplied as standard with MW) E: Thermostatic blending valve.



NB: Use with water supply pressures above 6bar or where cold water supply pipe is not long enough to accommodate expansion of hot water, i.e MW15 - Less than 4.5m of 15mm pipe, (MW10 - Less than 3m)

Technical

Operating water pressure 1 - 12bar (above 6bar use cold water pack) | Replaceable magnesium sacrificial anode | Anode available as spare part | Inlet/outlet connections 15mm (½" BSP) | Fixing pack with wall mounting bracket supplied | MW unit needs to discharge to a drain.

Heater variant	Capacity (litres)	kW loading @ 230-240V	Cable size guide	Fuse rating guide
MW10	10	2.7 - 3	1.5mm ²	13 Amps
MW15	15	2.7 - 3	1.5mm ²	13 Amps
MW10H	10	2.7 - 3	1.5mm ²	13 Amps
MW15H	15	2.7 - 3	1.5mm ²	13 Amps

Product Range

Product Reference	Short Code	Cat. No
MW10 Undersink	MW10	47782001
MW15 Undersink	MW15	47782101
MW10H Oversink	MW10H	47781001
MW15H Oversink	MW15H	47781101
Optional Cold Water Pack		87783101
Temp. & Pressure Relief Valve		97783258
Thermostatic Blending Valve		87783103

3
kW

1 yr
GUARANTEE

WRAS
Approved
BEAB
Approved

CE

EW

10 - 15L Unvented Water Storage Heaters

The EW has been designed to provide stored hot water from a mains pressurised water supply, where there's no requirement for a temperature/pressure relief device, making installation simple.



Application Hot water storage.

Key Features Hot water to up to four outlets | Balanced supply of hot and cold water | Heat loss minimisation and energy savings from short pipe runs and superior insulation | Water outlet via existing tap or mixer | Adjustable thermostat to 70°C | Compact shape for undersink mounting | Remote siting possible.

Safety Features Over temperature safety cut-out | Temperature pressure relief valve | On/off neon light.

Capacities 10 and 15 litre.

Rating 3kW at 240V (2.7kW at 230V).

Outer Casing White thermoplastic cover.

Insulation Foamed polyurethane insulation.

Accessories Separate accessories available.

Water Container Vitreous enamelled steel water container.

Heat Unit Long-life Incoloy alloy sheathed elements.

Thermostat Adjustable thermostat to 70°C.

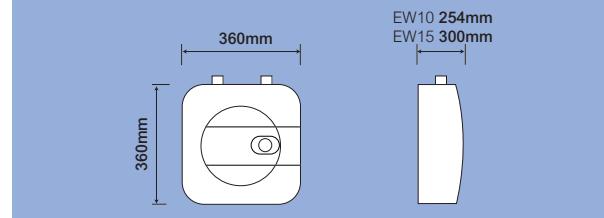
Anode Replaceable magnesium sacrificial anode.

Pressure 1 - 12bar (above 6bar use cold water controls pack).

Approvals WRAS Approved Product | BEAB Approved | CE.

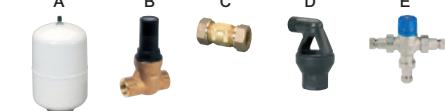
Guarantee 1 year product guarantee (UK).

Dimensions



Accessories

Optional Cold Water Pack: A: Expansion vessel (Dia 120mm x H 235mm), B: Pressure reducing valve, C: Check valve | **Additional Accessories:** D: Tundish, E: Thermostatic blending valve.



NB: Use with water supply pressures above 6bar or where cold water supply pipe is not long enough to accommodate expansion of hot water, i.e. EW15 - Less than 4.5m of 15mm pipe, (EW10 - Less than 3m)

Technical

Operating water pressure 1 - 12bar (above 6bar use cold water pack) | Replaceable magnesium sacrificial anode | Anode available as spare part | Inlet/outlet connections 15mm (1/2" BSP) | Fixing pack with wall mounting bracket supplied | EW unit needs to discharge to a drain.

Heater variant	Capacity (litres)	kW loading @ 230-240V	Cable size guide	Fuse rating guide
EW10	10	2.7 - 3	1.5mm ²	13 Amps
EW15	15	2.7 - 3	1.5mm ²	13 Amps

Product Range

Product Reference	Short Code	Cat. No
EW10 Undersink	EW10	47784501
EW15 Undersink	EW15	47784502
Optional Cold Water Pack		87783101
Tundish		97783236
Temp. & Pressure Relief Valve		97783258
Thermostatic Blending Valve		87783103

3
kW

1 yr
GUARANTEE

WRAS
Approved

BEAB
Approved

CE

Domestic Immersion Heaters

Aqualoy and Copper Water Immersion Heaters

Redring offer a range of dual cut-out immersion heaters to comply with the latest European safety standard, EN 60335-2-73 for fixed immersion heaters. Redring dual cut-out immersion heaters are supplied with a rod thermostat and a separate, 'secondary manual reset safety cut-out'. Dual cut-out immersion heaters are available in standard copper or Aqualoy variants for use in more aggressive water areas.

Application Hot water heating.

Key Features Comply with European safety standard, EN 60335-2-73 | Dual cut-out heaters supplied complete with rod thermostat | Available in Aqualoy - for more aggressive water areas | Copper - for use in soft and normal water areas.

Safety Features Dual cut-out | Separate, 'secondary manual reset safety cut-out', fitted directly to the immersion heater head.

Rating 3kW @ 240V.

Length 11, 14, 27, 30 and 36 inches.

Sheath Copper and Aqualoy.

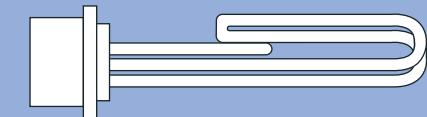
Thermostat All dual cut-out heaters come with rod thermostats supplied.

Approvals WRAS Approved Product | BEAB Approved | CE.

Guarantee Aqualoy - 3 year | Copper - 1 year guarantee (UK).

Dimensions

11 inches (Min) 36 inches (Max)



Technical Specification

Aqualoy - for use in aggressive water areas | Copper (Popular) - for use in soft and normal water areas.

Redring Dual Thermostats

For use with non-dual cut out immersion heaters.

Product Reference

7 inch DC rod stat 13A

Catalogue No.

92301573

11 inch DC rod stat horizontal 13A

92301573

18 inch DC rod stat 13 - 16A

92301573

11 inch DC rod stat vertical 16A

92301573

Product Range

Product Reference

Short Code Cat. No Length

2½" BSP Copper

P11DC 33324501 11"

2½" BSP Copper

P14DC 33324502 14"

2½" BSP Copper

P27DC 33324503 27"

2½" BSP Copper

P30DC 33324504 30"

2½" BSP Copper

P36DC 33324505 36"

2½" BSP Aqualoy

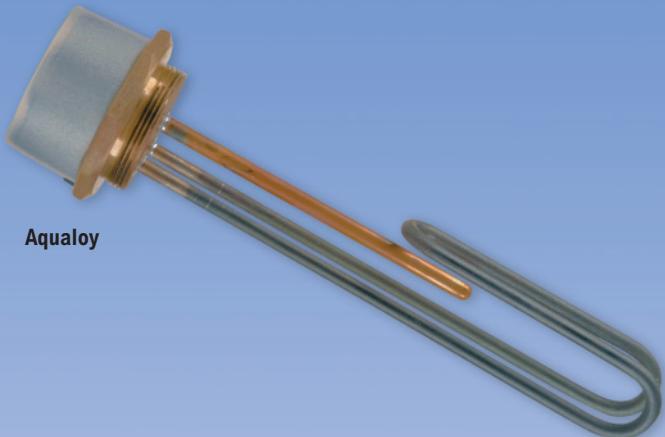
A11DC 33324601 11"

2½" BSP Aqualoy

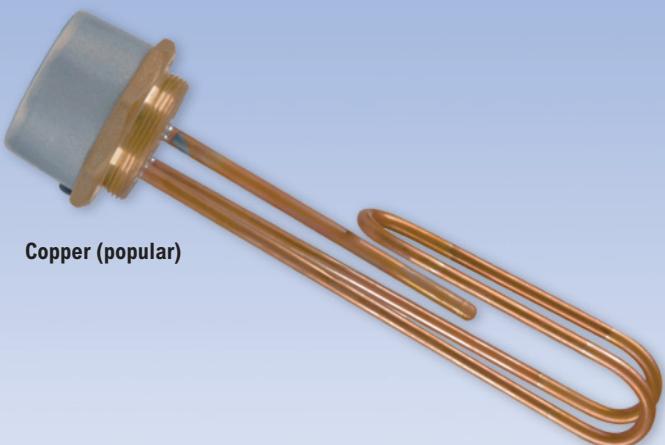
A27DC 33324602 27"

1¾" BSP Unvented Aqualoy

GU11DC 33324701 11"



Aqualoy



Copper (popular)





Min.

2
kW

Max.

18
kW1 yr
GUARANTEEWRAS
APPROVEDBEAB
Approved

Industrial Immersion Heaters

Incloy 825 Industrial Water Immersion Heaters

Redring have a comprehensive range of industrial immersion heaters, using Incloy sheathed heating elements and adjustable rod thermostats.

Application Hot water heating.

Key Features Loadings available from 2 - 18kW | Wired in single phase or 3 phase | Control thermostat in Incloy 825 pocket | Incloy 825 Industrial heaters with angular rotary terminal enclosure - can be moved to and position | Immersed lengths from 11 - 36 inches.

Safety Features Dual cut-out | Separate, 'secondary manual reset safety cut-out', fitted directly to the immersion heater head.

Rating 2, 3, 4, 6, 7.5, 9, 12 and 18kW @ 240V.

Length 11, 14, 27, 30 and 36 inches.

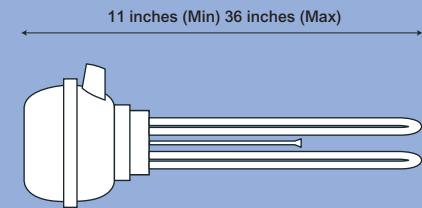
Sheath Incloy.

Thermostat All dual cut-out heaters come with rod thermostats supplied.

Approvals WRAS Approved Product | BEAB Approved | CE.

Guarantee 1 year product guarantee (UK).

Dimensions



Technical Specification

Industrial heaters - Incloy 825 sheathed elements 2¼" BSP threaded brass heads | Control thermostat in Incloy 825 pocket | Corrosion resistant polypropylene terminal.

Product Range

Catalogue Number	Short Code	Loading kW	Phases	Immersed Length
60391301	RY211	2	1 only	11
60391302	RY311	3	1 or 3	11
60391303	RY330	3	1 or 3	30
60391304	RY411	4	1 or 3	11
60391305	RY416	4	1 or 3	16
60391306	RY616	6	1 or 3	16
60391307	RY630	6	1 or 3	30
60391309	RY724	7.5	1 or 3	24
60391310	RY914*	9	1 or 3	14
60391311	RY927	9	1 or 3	27
60391312	RY936	9	1 or 3	36
60391313	RY1224	12	1 or 3	24
60391314	RY1236	12	1 or 3	36
60391315	RY1836	18	1 or 3	36

*Not recommended for aggressive water.

Immersion Heater Controller

Economy 7 Time Controller

The Redring Electronic 7 immersion heater controller allows up to three secure off-peak heating periods every 24 hours to make the maximum use of cheap rate structures - including split tariffs.



Application Hot water storage control.

Key Features One minute accuracy means no accidental running over into full rate tariff periods | Suitable for use with single, dual or two element immersion heaters | Precise and flexible programming - Off peak - up to 3 on/off periods | Pre-programmable automatic boost and one hour manual boost | Illuminated display for easy reading even in a dark cupboard | One touch Winter/Summer change button alters setting and display | 2 year battery reserve protection against power interruption | Easy installation | Microgap on control.

Safety Features Full disconnection to immersion heater(s) on double pole isolator switch.

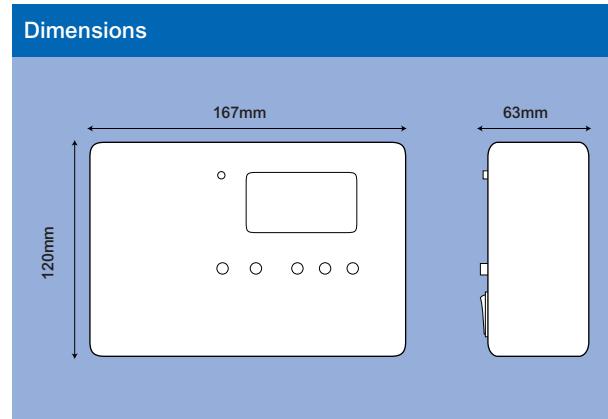
Rating 230V - 240V, 13A.

Outer Casing Thermoplastic, flame retardant.

Approvals WRAS Approved Product | BEAB Approved | CE.

Guarantee 1 year product guarantee (UK).

Dimensions



Technical Specification 230V - 240V, 13A | Suitable for immersion heaters up to 3kW | Display: 6.35mm character height, backlit liquid crystal display, am/pm indication, Summer/Winter indication.

Product Variant EC7	Dirt Protection Normal	Moisture Protection Ordinary	Shock Protection Class 1	Max. Op Temp °C +35	Min. Op Temp °C 0
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Product Range

Product Ref. Electronic 7 EC7	Short Catalogue Code 82700206	Supply Number 240V AC, 50Hz	Power Consumption 10VA max	Live Parts Yes
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Flatback Cistern

25-100 litre Vented Water Storage Heaters

Designed for wall mounted installation and ideal for small commercial kitchens, bathrooms, cloakrooms and canteens, these Flatback Cisterns are compact and provide a multi-outlet water heating solution.

Application Hot water storage.

Key Features Choice of 25, 50, 75 or 100 litre capacities | 2 adjustable thermostats for precise control | Ideal for replacement (overflow and cold feed can be connected on the left or right hand side) | 50 to 80°C thermostatic control range | Drain connection supplied and fitted | Cold water cistern incorporated within the unit.

Safety Features Overheat protection.

Capacities 25, 50, 75 and 100 litre heaters.

Rating 3kW.

Outer Casing Corrosion proofed steel, with enamel finish outer casing.

Insulation High density foam.

Water Container Copper sheet water vessel with brazed seams.

Heat Unit Long-life Incoloy sheathed elements.

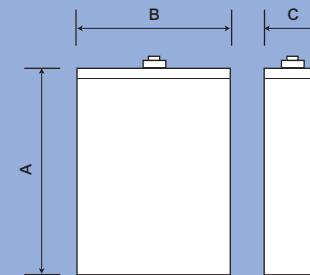
Thermostat Fixed 50-80°C thermostatic control range.

Pressure Operating pressure 0.7bar - 10bar.

Approvals BEAB Approved | WRAS Approved Product | CE.

Guarantee 2 year product guarantee (UK).

Dimensions



Technical Specification $\frac{1}{2}$ " BSP cold water and 22mm compression fitting hot water connections.

Product variant	Dimensions (mm)		
	A Height	B Width	C Depth
CT25	430	315	210
CT50	510	370	250
CT75	565	425	320
CT100	630	490	350

Product Range

Product Reference	Short Code	Cat. No
Cistern Type 25	CT25	26786401
Cistern Type 50	CT50	26786801
Cistern Type 75	CT75	26786901
Cistern Type 100	CT100	26787001

3
kW

2 yr
GUARANTEE

WRAS
APPROVED
PRODUCT

BEAB
Approved

CE



Min.

1
kW

Max.

3
kW3 yr
GUARANTEEWRAS
APPROVEDBEAB
Approved

CE

Contour 7000

7 litre Slimline Vented Water Storage Heaters

This storage heater has a 7 litre capacity and is ideal for oversink washing. Alternatively, the Contour 7000 Remote allows you to fit under the sink. Featuring an air operated sink mounted switch that, when pressed, delivers hot water through a remote swivel spout at your pre-set temperature.

Application Hot water storage.

Key Features 7 litre capacity, point of use | Adjustable thermostat 15°C - 75°C | Choice of heat settings | Ideal handwash and dishwash temperature settings indicated on the unit | Complete with 300mm swivel spout | Negligible standing heat loss | Contour 7000 Remote Only - On/off control via touch air switch | Hot water delivered through a remote swivel spout | Remote air switch swivel spout and flexible hose supplied | Neat and out of sight installation.

Safety Features Integral on/off and flow control | Frost protection setting | Tamperproof thermostat cover | Safety over temperature fuse.

Capacities 7 litre.

Rating 1kW and 3kW.

Outer Casing High quality impact resistant ABS cover.

Insulation Polystyrene insulation.

Water Container Corrosion resistant polypropylene.

Heat Unit Sheathed heating elements.

Thermostat Capillary type, externally adjustable - 15°C-75°C with frost protection setting.

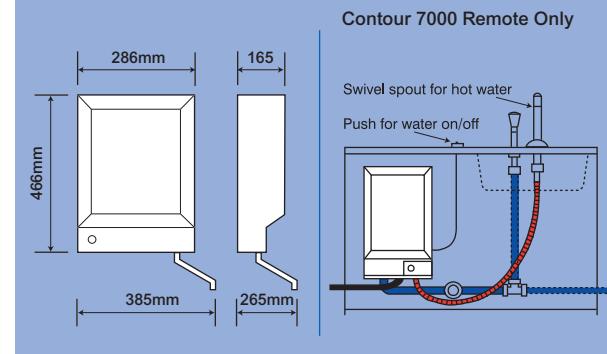
Pressure 0.7bar - 10bar (Flow restrictors included).

Accessories Separate accessories available.

Approvals BEAB Approved | WRAS Approved Product | CE.

Guarantee 3 year product guarantee (UK).

Dimensions and Application



Accessories

A: Extended Swivel Spouts 450mm, B: 600mm, C: Monoblock Vented Chrome Mixer.



Technical Specification

½" BSP cold water and 22mm compression fitting hot water connections | Restrictors supplied to optimise flow rate | **NB:** We only recommend the use of the Redring Vented Monoblock Mixer.

Product Range

Product Reference	Short Code	Cat. No
Contour 7000 3kW	C73	44784001
Contour 7000 1kW	C71	44784002
Contour 7000 Remote	C7U3	44784020
Extended Swivel Spouts 450mm	S1	84780404
Extended Swivel Spouts 600mm	S2	84780405
Mono Vented Chrome Mixer	MCM	84780408



WS10

10 litre Vented Water Storage Heater

The WS10 provides stored hot water at point of use. It delivers a low volume of water and the open outlet or non-pressurized unit benefits from minimal standing heat loss, because it is installed at point of use.

Application Hot water storage.

Key Features 5 and 10 litre capacity, point of use | 4 temperature settings - cold, 38°C, 60°C and 70°C | Complete with 300mm swivel spout | Negligible standing heat loss | Power on indicator.

Safety Features Auto reset temperature cut-out, allows unit to resume operation in the event of being operated when dry.

Capacities 10 litre.

Rating 2.2kW @ 230V 50Hz.

Outer Casing White | Easy Clean | Thermoplastic.

Insulation Polystyrene insulation.

Water Container Corrosion resistant polypropylene.

Heat Unit Sheathed heating elements.

Thermostat Capillary type, externally adjustable - 15°C-70°C with frost protection setting.

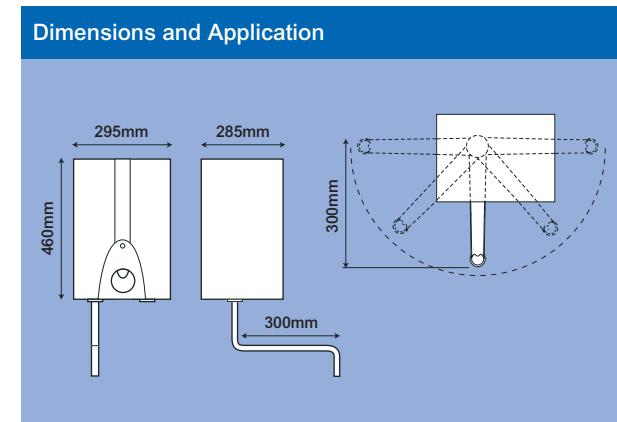
Pressure Operating pressure 0.7bar - 10bar.

Accessories Extended swivel spout (450mm) | Extended swivel spout (600mm) | Monoblock chrome mixer (for undersink installation).

Approvals CE.

Guarantee 3 year product guarantee (UK).

Dimensions and Application



Technical Specification

Electrical - Temperature control, isolation valve | Elements - 2.2kW @ 230V 50Hz | Electrical Connections - 1m 3-core supply cable provided | **NB:** Open Outlet Device - Outlet must be left open to the atmosphere and should not be modified or restricted in any way.

Product Range

Product Reference

WS10

Short Code

WS1022

Cat. No

44780065

2.2
kW

3 yr
GUARANTEE

CE



Min.

1
kW

Max.

3
kW3
yr
GUARANTEEWRAS
ApprovedBEAB
Approved

CE

WS7

7 litre Vented Water Storage Heaters

The WS7 offers an economical solution to provide stored hot water at point of use and can be mounted undersink using the special monoblock chrome-mixer accessory. These units also benefit from minimal standing heat loss, because they are installed at point of use.

Application Hot water storage.

Key Features 7 litre capacity, point of use | Choice of 1kW and 3kW models | 300mm swivel spout included | Extended outlets available | Wall bracket and full fixing pack supplied | Adjustable thermostat 15°C-75°C with frost protection setting.

Safety Features Frost protection setting | Integral safety over temperature thermal fuse | Optional tamper proof cover supplied.

Capacities 7 litre.

Rating 1kW and 3kW.

Outer Casing High quality impact resistant ABS cover.

Insulation Polystyrene insulation.

Water Container Corrosion resistant polypropylene.

Heat Unit Sheathed heating elements.

Thermostat Capillary type, externally adjustable - 15°C-75°C with frost protection setting.

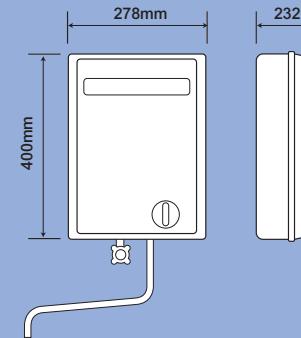
Pressure 0.7bar - 10bar (Flow restrictors included).

Accessories Separate accessories available.

Approvals BEAB Approved | WRAS Approved Product | CE.

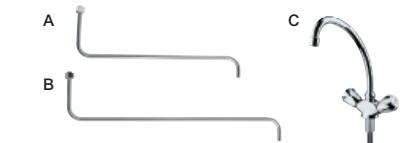
Guarantee 3 year product guarantee (UK).

Dimensions



Accessories

A: Extended Swivel Spouts 450mm, B: 600mm, C: Monoblock Vented Chrome Mixer.



Technical Specification

Cold water 15mm compression | Outlet ½ BSP - swivel spout connection supplied | Restrictors supplied to optimise flow rate | **NB:** We only recommend the use of the Redring Vented Monoblock Mixer.

Product Range

Product Reference	Short Code	Cat. No
WS7 3kW	WS73	44780001
WS7 1kW	WS71	44780002
Extended Swivel Spouts 450mm	S1	84780404
Extended Swivel Spouts 600mm	S2	84780405
Mono Vented Chrome Mixer	MCM	84780408



WS5

5 litre Vented Water Storage Heater

The WS5 water heater offers a very economical solution for stored hot water at point of use. It provides a low volume of water and the open outlet, or non-pressurized unit, benefits from minimal standing heat loss, because it is installed at point of use.

Application Hot water storage.

Key Features 5 litre capacity, point of use | 4 temperature settings - cold, 38°C, 60°C and 70°C | Complete with 300mm swivel spout | Negligible standing heat loss | Power on indicator.

Safety Features Auto reset temperature cut-out, allows unit to resume operation in the event of being operated when dry.

Capacities 5 litre.

Rating 2.2kW @ 230V 50Hz.

Outer Casing White | Easy Clean | Thermoplastic.

Insulation Polystyrene insulation.

Water Container Corrosion resistant polypropylene.

Heat Unit Sheathed heating elements.

Thermostat Capillary type, externally adjustable - 15°C-70°C with frost protection setting.

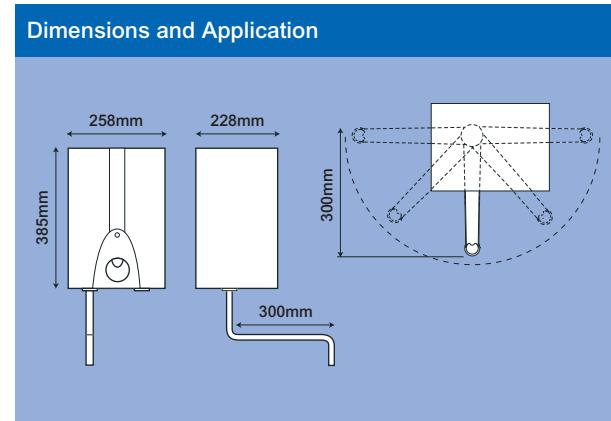
Pressure Operating pressure 0.7bar - 10bar.

Accessories Extended swivel spout (450mm) | Extended swivel spout (600mm) | Monoblock chrome mixer (for undersink installation).

Approvals CE.

Guarantee 3 year product guarantee (UK).

Dimensions and Application



Technical Specification

Electrical - Temperature control, isolation valve | Elements - 2.2kW @ 230V 50Hz | Electrical Connections - 1m 3-core supply cable provided |

NB: Open Outlet Device - Outlet must be left open to the atmosphere and should not be modified or restricted in any way.

Product Range

Product Reference

WS5

Short Code

WS522

Cat. No

44780060



Min.

Max.

Storage Tank

Components

18
kW24
kW3 yr
GUARANTEE1 yr
GUARANTEE

CE

Powerstream 3 Phase Plus

Eco 3-phase Unvented Water Heaters

With economy settings the Powerstream 3 Phase Plus instantaneous water heater is ideal for supplying high volumes of water where a 3-phase 415V supply is available.

Application

Instantaneous water heating.

Key Features

Unit is economical to run, providing flow rates of 6.8-13 litres/min | Two heat settings 38°C or 50°C (at supply temperatures of 12°C) | Rated pressure 10bar allows unit to be connected directly to the cold mains water supply and can be controlled by a normal UK tap fitting | Unique Clickfix® allows the unit to be installed within minutes | Scale resistant design stainless steel elements | Variable depth mounting screws for mounting onto uneven surfaces.

Safety Features

Flow activated switch | Overtemperature safety cut-out.

Rating

18kW, 21kW and 24kW (415V 3-Phase).

Element

Stainless steel elements.

Outer Casing

White impact resistant plastic.

Special Accessories

P3P 02RBS Pipe set: When using the instantaneous water heater as a built-under appliance | Priority switch (load reducing relay): For operation with the priority circuit | **P3P 02AP Mounting set:** For surface-mount installation.

Pressure

Rated pressure - 10bar.

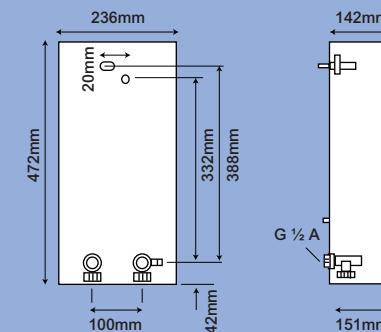
Approvals

CE.

Guarantee

3 year guarantee on storage tank and 1 year on components (UK).

Dimensions



Technical Specification

Electrical supply: 380-415V 3 phase | The unit must be connected to an all-pole isolation switch with a minimum gap of 3mm | Water supply and fittings: supplied from cold mains water supply only - max 20°C | Standard UK water fittings may be connected to the outlet providing they exceed the minimum flow rates | Operative range in waters of specific resistance at 15°C: 1300cm.

Product Range

Product Reference	Short Code	Cat. No
Powerstream 3 Phase Plus 18kW	P3PPE1802	45552865
Powerstream 3 Phase Plus 21kW	P3PPE2102	45552866
Powerstream 3 Phase Plus 24kW	P3PPE2402	45552867
Powerstream 3 Phase Pipe Set	P3P 02RBS	87783163
Powerstream 3 Phase Mounting Set	P3P 02AP	87783164



Min.

Max.

Storage Tank Components

18
kW24
kW3 yr
GUARANTEE1 yr
GUARANTEE

CE

Powerstream 3 Phase

3-phase Unvented Water Heaters

The Powerstream 3 Phase range of instantaneous water heaters are ideal for supplying high volumes of water where a 3-phase 415V supply is available.

Application Instantaneous water heating.

Key Features Unique Clickfix® allows the unit to be installed within minutes | Scale resistant design stainless steel elements | Variable depth mounting screws for mounting onto uneven surfaces.

Safety Features Flow activated switch | Overtemperature safety cut-out.

Rating 18kW (3-Phase 415V), 21kW (415V 3-Phase) and 24kW (415V 3-Phase).

Element Stainless steel elements.

Outer Casing White plastic.

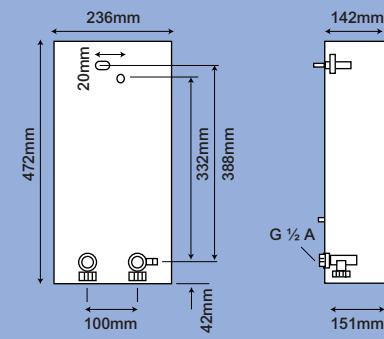
Special Accessories **P3P 02RBS Pipe set:** When using the instantaneous water heater as a built-under appliance | Priority switch (load reducing relay): For operation with the priority circuit | **P3P 02AP Mounting set:** For surface-mount installation.

Pressure Rated pressure - 1bar - 10bar.

Approvals CE.

Guarantee 3 year guarantee on storage tank and 1 year on components (UK).

Dimensions



Technical Specification

Electrical supply: 380-415V 3 phase | The unit must be connected to an all-pole isolation switch with a minimum gap of 3mm | Water supply and fittings: supplied from cold mains water supply only - max 20°C | Standard UK water fittings may be connected to the outlet providing they exceed the minimum flow rates | Operative range in waters of specific resistance at 15°C: 1300cm.

Product Range

Product Reference	Short Code	Cat. No
Powerstream 3 Phase 18kW	P3P1802	45552860
Powerstream 3 Phase 21kW	P3P2102	45552861
Powerstream 3 Phase 24kW	P3P2402	45552862
Powerstream 3 Phase Pipe Set	P3P 02RBS	87783163
Powerstream 3 Phase Mounting Set	P3P 02AP	87783164

Powerstream 3 Phase Plus & Powerstream 3 Phase

Technical Specification

Powerstream 3 Phase Plus models

	P3PPE1802	P3PPE2102	P3PPE2404
Rated power	18kW	21kW	24kW
Rated voltage	400V - 3 phase	400V - 3 phase	400V - 3 phase
Economy setting I			
1st stage	6kW	7kW	8kW
2nd stage	12kW	14kW	16kW
High setting II			
1st stage	9kW	10.5kW	12kW
2nd stage	18kW	21kW	24kW
Switch-on flow point			
1st stage	4.0 l/min	4.5 l/min	5.0 l/min
2nd stage	5.0 l/min	5.8 l/min	6.6 l/min
Mixed water at rated power (supply temp. 12°C)			
Approx. 38°C	9.9 l/min	11.6 l/min	13.2 l/min
Approx. 50°C	6.8 l/min	7.9 l/min	9.1 l/min
Minimum flow pressure of appliance			
With flow limiter	0.07 MPa (0.7bar)	0.08 MPa (0.8bar)	0.09 MPa (0.9bar)
Without flow limiter	0.04 MPa (0.4bar)	0.05 MPa (0.5bar)	0.06 MPa (0.6bar)
Operative range in waters of specific electric resistance at 15°C	1300cm	1300cm	1300cm
Rated pressure	1 MPa (10bar)	1 MPa (10bar)	1 MPa (10bar)
Maximum permissible supply temperature	20°C	20°C	20°C

Powerstream 3 Phase models

	P3P1802	P3P2102	P3P2404
Rated power	18kW	21kW	24kW
Rated voltage	400V - 3 phase	400V - 3 phase	400V - 3 phase
Warm water quantity at rated power for temperature increases of:			
12°C to 38°C	9.9 l/min	11.6 l/min	13.2 l/min
12°C to 60°C	5.4 l/min	6.3 l/min	7.2 l/min
Switch on quantity	2.6 l/min	2.6 l/min	2.6 l/min
Switch-on flow pressure	0.025 MPa (0.25bar)	0.025 MPa (0.25bar)	0.025 MPa (0.25bar)
Flow pressure (at rated power & 60°C)			
With flow limiter	0.028 MPa (0.28bar)	0.035 MPa (0.35bar)	0.048 MPa (0.48bar)
Without flow limiter	0.013 MPa (0.13bar)	0.020 MPa (0.20bar)	0.026 MPa (0.26bar)
Operative range in waters of specific electric resistance at 15°C	1300cm	1300cm	1300cm
Rated pressure	1 MPa (10bar)	1 MPa (10bar)	1 MPa (10bar)
Maximum permissible supply temperature	20°C	20°C	20°C
Maximum mains impedance at connection site	-	-	≤ 0.41 Ω



LT1 Basin Tap

Min.

Max.

9.5
kW

12
kW

3 yr
GUARANTEE

WRAS
APPROVED
PRODUCT

BEAB
Approved



Powerstream

Unvented Instantaneous Water Heaters

Powerstream delivers instant hot water at point of use. This compact and unique design eliminates the need for centrally stored hot water cylinders saving on electricity usage and important space.

Application Instantaneous water heating.

Key Features 12kW unit is the highest rated single phase heater on the UK market | Water supplied to one or two outlets (either one shower and one hand basin or two hand basins) | Water outlet via existing tap or mixer (especially suitable via spray tap) | Direct mains supply | Small compact shape | Remote fitting option | No standing heat losses | Fast response | Half power selection available on installation | Corrosion resistant steel backplate.

Safety Features Thermal cut-out protection | Water flow operated power switch.

Rating 9.5, 10.8 and 12kW @ 240V.

Element Sheathed heating elements.

Outer Casing Impact resistant thermoplastic cover.

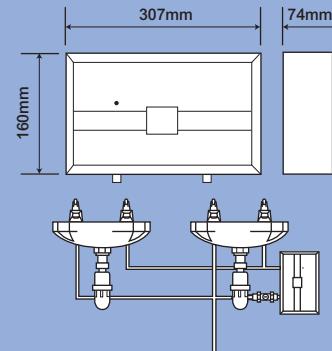
Pressure Rated pressure - 10bar.

Accessories ¼ turn lever control spray tap | **NB:** We only recommend the use of the Redring ¼ Turn Spray Tap.

Approvals BEAB Approved | WRAS Approved Product | CE.

Guarantee 3 year product guarantee (UK).

Dimensions and Application



Technical Specification Flow stabiliser/service valve | Thermal cut-out protection | Unique Redring water flow operated power switch | Corrosion resistant steel backplate | Half power selection available on installation.

Heater variant	Operating pressure @ 230-240V	kW loading	Cable size guide	Fuse rating guide
RP1	15 - 150psi	8.7 - 9.5	6 / 10mm ²	40 Amps
RP10.8	20 - 150psi	9.9 - 10.8	10 / 16mm ²	45 Amps
RP12	25 - 150psi	11 - 12	10 / 16mm ²	50 Amps

Heater variant	Flow rate performance (Winter / Summer)		
	4 litres / min	5 litres / min	6 litres / min
RP1	39 / 54°C	32 / 47°C	28 / 42°C
RP10.8	44 / 58°C	36 / 51°C	31 / 46°C
RP12	48 / 63°C	39 / 54°C	34 / 49°C

Product Range

Product Reference	Short Code	Cat. No
Powerstream 9.5	RP1	45793201
Powerstream 10.8	RP10.8	45793204
Powerstream 12	RP12	45793202
Shower Mixer Kit	RM1	85793605
¼ Turn Lever Control Spray Tap	LT1	85793616



2.4
kW

2 yr
GUARANTEE

WRAS
APPROVED

BEAB
Approved



SB Professional

Stainless Steel Beverage Water Boilers

Wall-mounted, self-calibrating and self-filling this is a water heater for Industrial and Commercial applications. Used for making cups of tea, coffee, soup and hot snacks it offers 7 capacity sizes. The 2.5 litre model is ideal for small offices and the 25 litre model for a busy canteen, dispensing up to 150 cups on demand and a delivery of 250 cups per hour.

Application Beverage water boiler.

Key Features 7 capacity options | Stainless steel water tank with fully insulated jacket to minimise heat loss | Robust corrosion resistant construction | Provides for concealed plumbing and electrical connection.

Safety Features Neon 'power on' light | Condensation chamber for steam-free operation | Manual reset thermostat for detecting excessive steam in the event of water solenoid valve failure | Water temperature is automatically maintained | Unit is fitted with manual reset safety device to avoid boiling dry.

Capacities 2.5, 5, 7.5, 10, 15, 20 and 25 litre.

Rating 2.4kW / 13 Amp (220-240V).

Outer Casing Brushed stainless steel cover, wipes clean.

Insulation Energy efficient aluminium backed insulation.

Water Container Stainless steel.

Heat Unit Incoloy sheathed elements.

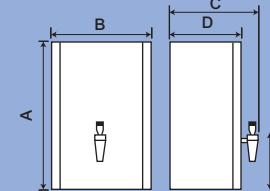
Thermostat Manual reset thermostat.

Pressure Operating pressure 2bar - 10bar.

Approvals BEAB Approved | WRAS Approved Product | CE.

Guarantee 2 year product guarantee (UK).

Dimensions and Application



Water boiler variant	A	B	C	D	E
SB Pro. 2.5l	430	315	210	125	185
SB Pro. 5l, 7.5l	510	370	250	170	185
SB Pro. 10l, 15l	565	425	320	240	185
SB Pro. 20l, 25l	630	490	350	270	185

Technical Specification

Connects to 13 Amp (220-240V) doublepole fused isolating switch | Electrical connection via 1 metre cable supplied to fused spur | Water entry bottom/rear via standard | 15mm compression fitting | Install over sink, draining board, or drip tray.

Storage Capacity (l)	1st hr Delivery (cups)	Element (kW)	Approx. Weight	App. Laden Weight
2.5	125	2.4	6kg	8.5kg
5.0	135	2.4	7kg	12kg
7.5	150	2.4	8kg	15.5kg
10.0	175	2.4	9kg	19kg
15.0	200	2.4	10kg	25kg
20.0	225	2.4	12kg	32kg
25.0	250	2.4	13kg	38kg

Product Range

Product Reference	Catalogue Number	Initial Draw Off (170ml) (litres)	Recovery Rate
SB Professional 2.5l	22713801	15	2.5
SB Professional 5l	22715801	30	5.0
SB Professional 7.5l	22716801	45	7.5
SB Professional 10l	22717801	60	10.0
SB Professional 15l	22718801	100	15.0
SB Professional 20l	22719301	120	20.0
SB Professional 25l	22719701	150	25.0
			125



SB²

2.5 - 4 litre Beverage Water Boilers

Developed to deliver up to 154 cups of hot water every hour, this unique design provides drinks and beverages instantly without the need for kettles and minimising waiting times. Integral sensors give auto fill/top up and temperature control.

Application Beverage water boiler.

Key Features Auto fill and heat | Push-button for on/standby | Quarter turn tap to dispense water | Stainless steel sheathed heat elements for long life | CFC-free insulation - minimises temperature and energy loss on/standby function for energy saving | Scale trap to enhance quality of beverage.

Safety Features Three LEDs indicate power on, unit full and temperature ready | Microprocessor controlled for water level and accurate temperature control | Thermostatically controlled to automatically set to boiling point when the unit is first switched on | Cool to the touch | Auto re-set over temperature cut-out.

Capacities 2.5 and 4 litre.

Rating 2.2kW @ 240V.

Outer Casing High impact, durable thermoplastic.

Insulation CFC-free insulation.

Water Container High impact, thermoplastic.

Heat Unit Stainless steel elements.

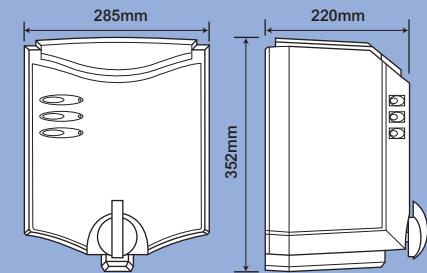
Thermostat Electronic thermostat | Auto re-set over temperature cut-out.

Pressure Supply pressure min. 0.5bar (7psi), max. 10bar (145psi).

Approvals BEAB Approved | WRAS Approved Product | CE.

Guarantee 2 year product guarantee (UK).

Dimensions



Technical Specification

Electrical connection from suitable ring circuit via a switched/fused outlet with 1 metre cable supplied | Wall-mounted with rear or bottom plumbing connection via a standard 15mm compression fitting to the cold water mains | Incorporates an overflow/vent connection that discharges to a suitable drain | Supplied with a hook-on wall bracket together with a 3-point screw fixing.

Product Range

Product Reference	Short Code	Cat. No
SB2 2.5 litre	RSB 2.5	22714401
SB2 4 litre	RSB 4	22714601

2.2
kW

2 yr
GUARANTEE

WRAS
Approved

BEAB
Approved

CE

Corvette

1 - 3.8 litre Wall Kettle

The Corvette delivers boiling water for drinks and washing up needs from a permanently wired installation.



Application Beverage water boiler.

Key Features Quick and easy installation | Can boil from 1 litre to a maximum of 3.8 litres | Easy to read water level indicator | Detachable hose supplied for temporary installation | Economical to use | High quality stainless steel sheathed element | Stainless steel base plate.

Safety Features Auto switch off at boiling point | Rapid reset | Neon glows when water is being heated | Extended spout for extra safe pouring | Safety auto steam switch | 2-stage boil dry element protection.

Capacities 1 to 3.8 litres.

Rating 2.2kW @ 240V.

Outer Casing High impact, durable thermoplastic.

Insulation CFC-free insulation.

Water Container High impact, thermoplastic.

Heat Unit High quality stainless steel sheathed element.

Thermostat Steam switch | Auto re-set over temperature cut-out.

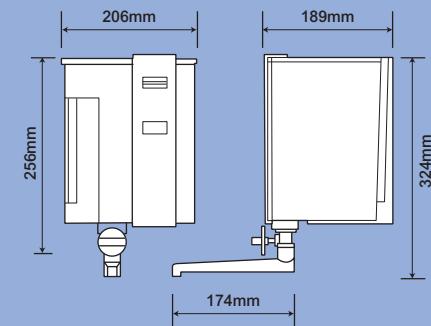
Pressure Mains pressure supply.

Accessories Separate accessories available.

Approvals BEAB Approved | WRAS Approved Product | CE.

Guarantee 3 year product guarantee (UK).

Dimensions



Accessories

Plumbing in kit to connect the Corvette directly to the cold water mains (as pictured) | Extended length filler hose 1.7m | Extended length outlet spout 330mm | Tap adaptor kit to connect the filler hose to non-standard taps.



Technical Specification

Plumbing in kit required for permanent supply | Electrical connection via a fused spur | Water entry via filler hose supplied, optional plumbing kit, or manually | Unit can be positioned over a sink or suitable outlet | Supplied 1m cable, cable tidy, wall mounting plate, wall fixing kit, 1m filler hose.

Product Range

Product Reference	Short Code	Cat. No
Corvette	CV1	28717201
Plumbing-in Kit		89716201
Extended Length Outlet Spout		89716203